BLUEBACK ENTERPRISES INCORPORATED

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T10 TX10

SEMIFLEX CABLE SERIES

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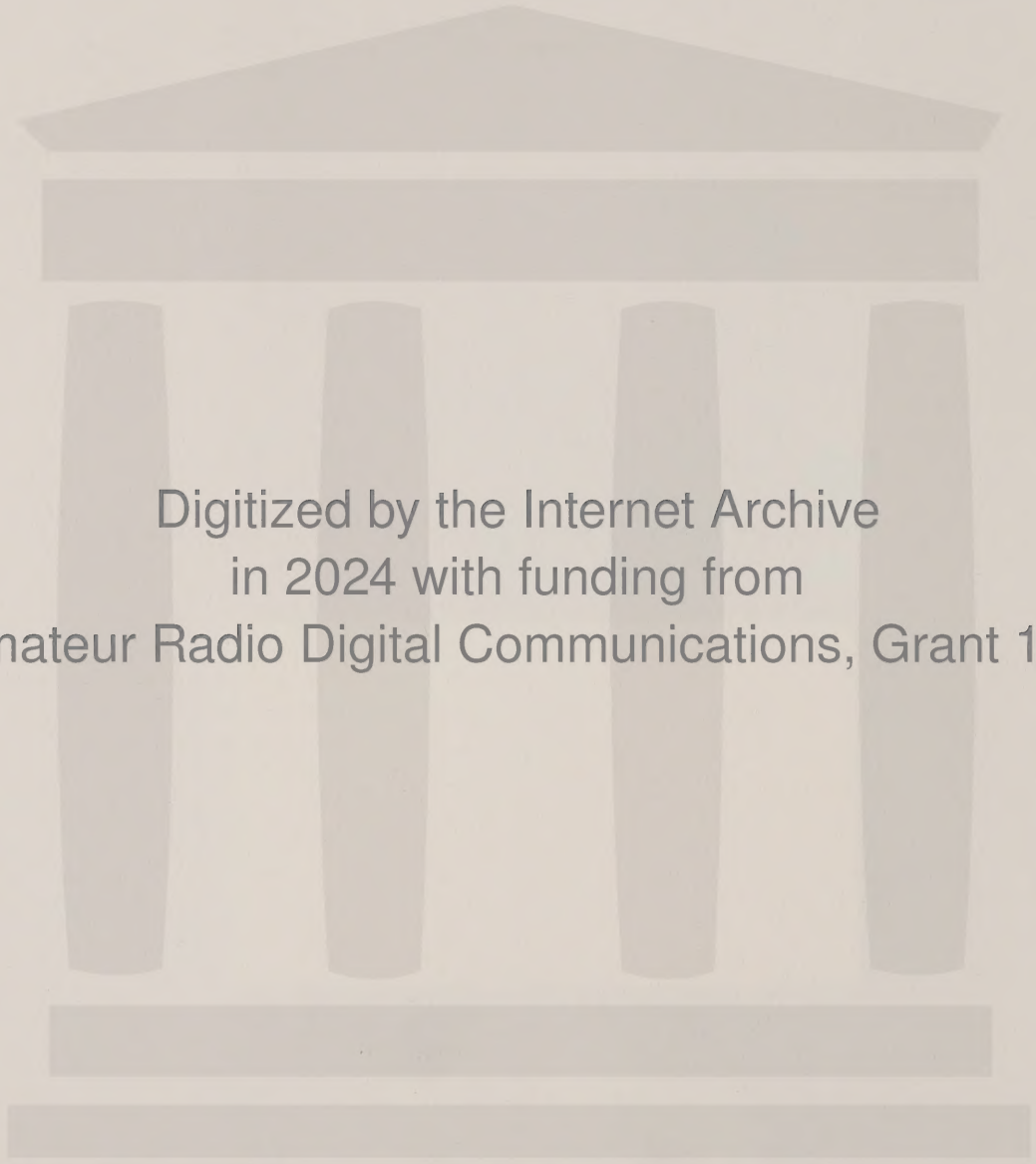
TFC

TIMES FIBER COMMUNICATIONS, INC.

Wallingford, CT U.S.A.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TX10 SEMIFLEX CABLE SERIES T10

DETAILS OF CONSTRUCTION AND MATERIAL

CENTER CONDUCTOR
Electrical grade 10% nominal (by volume) copper-clad aluminum (ASTM B-556 Class 10A); solid copper (ASTM B-3)

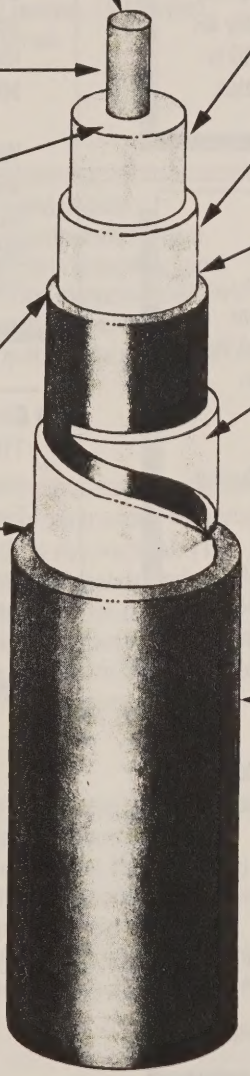
CONDUCTOR COATING
Proprietary polymer adhesive coating to provide moisture blocking, bonding the dielectric and enhancing foam structure stability.

DIELECTRIC
Foamed polyethylene produced by gas injection in combination with proprietary nucleating agents and enhanced dimensional uniformity to meet 1 GHz requirements. Federal specifications LP-390 and ASTM D-1248 are applicable to the polyethylene prior to the foaming.

FLOODING COMPOUNDS

- **SELF-HEALING**
  Cold flowing, low molecular weight polyisobutylene for self-healing of jacket damage. Intended for underground installations.

- **NON-FLOWING**
  Intended for aerial applications, non-dripping asphaltic flooding compound.



DIELECTRIC ADHESIVE COATING
Proprietary polymer adhesive coating to bond core to outer conductor for improved handling and strength characteristics in cold weather.

OUTER CONDUCTOR
Seamless, full wall thickness, high purity electrical grade aluminum tube. (ASTM B-221).

JACKET ADHESIVE
Proprietary non-residue polymer adhesive. (Not used on cables with flooding compounds)

ARMOR
A 0.010 inch thick steel tape per SAE/AISI 1010 for steel.

JACKET*
Abrasion resistant, low coefficient of friction medium density black polyethylene (Federal Specification LP-390 and ASTM D-1248 jacketing material).
* Sequential footage marking on outer jacket available upon request. Standard on underground, flooded cables.

Not Shown:

MESSENGER T10 Semiflex: Galvanized 0.109 inch solid steel wire (ASTM A-326) or a galvanized 3/16 inch stranded steel wire (ASTM A-475).
TX10 Semiflex: Galvanized 3/16 inch stranded wire (ASTM A-475).

NOTE - Conventional strand installation of cable offers more mechanical protection than messengered cable. However, where strand installation is not possible, messengered cable offers a comparable alternative if care is taken to follow the hardware manufacturer's installation instructions and proper cable sags and tensions are used.

Pictured: T10 Semiflex Cable, Armored, with flooding compound

TX10 SEMIFLEX CABLE SERIES T10

FEATURES AND BENEFITS

The T10 and TX10 Semiflex Cable Series offer a number of product features which enhance product performance and system operation.

BEND RADIUS

Both T10 and TX10 cables exhibit reduced bend radii to easily accommodate vault and pedestal placement. T10 bend radius is approximately 8x the outside diameter of the cable while TX10 is approximately 14x the outside cable diameter.

BONDING

The bonded construction of semiflex cable begins at the center conductor to dielectric interface. Bonding serves as protection from moisture ingress and facilitates stripping of the dielectric without leaving a harmful residue. Continuing from the dielectric to the outer conductor, controlled bonding provides adhesion strength to -40° C, drastically reducing center conductor pull-outs due to extreme temperature changes. In addition, bonding improves handling and facilitates the use of standard connectors. Further bonding of the outer conductor to jacket prevents concealment of aluminum sheath damage, identifying problems before the cable is installed.

T10 and TX10 semiflex cables' unique bonded construction allows all components to operate together as a single unit. A fully bonded composite construction offers the benefits of increased pull strength and resistance to possible sidewall pressure damage during installation. Triple bonding also solves the instances of connector pull-outs, further reducing cable service problems after installaton.

FLOODING COMPOUND

Flooding compounds for semiflex cable comes in a cold flowing, self-healing form for underground installations and a non-dripping aerial application form. Flooding compounds are used as an additional layer of corrosion protection.

Where greater protection is required, Times offers an armored construction. A flooded steel tape and jacket are layered over the standard flooded jacketed cable, increasing mechanical strength necessary for rodent protection and rocky soil.

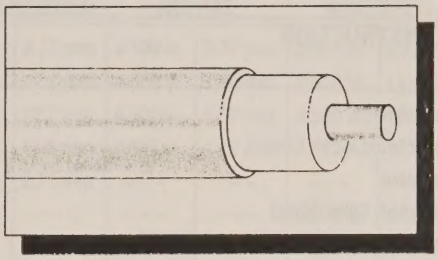
1 GHz BANDWIDTH

T10 and TX10 are the only cables which are specified to consistently sweep to 1 GHz. Specifying 1 GHz bandwidth for rebuilds, upgrades or new plant allows a system to handle future increasing capacity needs demanded by more channels, higher definition television and other emerging technologies.

APPLICATION OF CONSTRUCTION TYPES

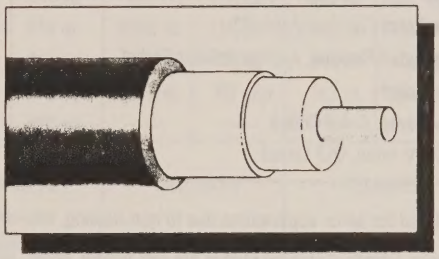
UNJACKETED

Application: Recommended for aerial installations in a non-corrosive environment, Unjacketed semiflex cable features bonding of the center conductor to the dielectric and dielectric to the outer conductor. This bonding prevents moisture ingress and facilitates connectorization since it leaves no harmful residue. Unjacketed semiflex cable is not available in the TX10 series.



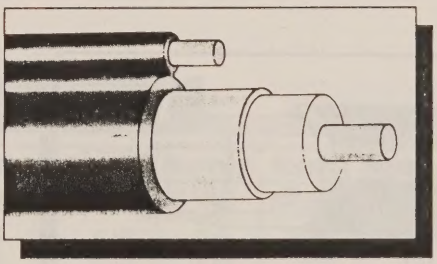
JACKETED

Application: For aerial applications in urban and coastal environments, Jacketed semiflex cable is recommended where highly corrosive conditions may exist. This cable features a triple bonding process of the center conductor to the dielectric, dielectric to the outer conductor and outer conductor to the jacket and is designed to withstand more abrasion and mechanical abuse than an unjacketed version.



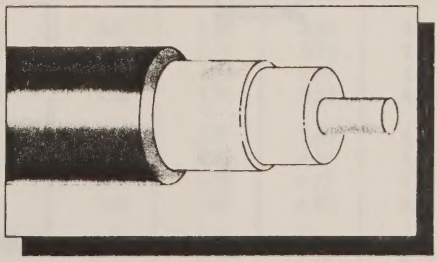
MESSENGERED

Application: Messengered semiflex cable is recommended for aerial feeder installations where strand installation is not practical. T10 semiflex cable is designed with a strong, integral, galvanized solid steel wire which supports the cable in aerial installations. TX10 semiflex cable features a jacketed galvanized stranded steel wire which also acts as a support, relieving the cable from undue tension. Resting ladders on messengered cable is not recommended.



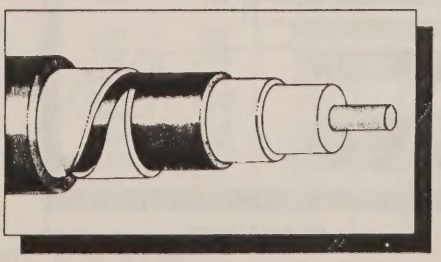
JACKETED BURIAL

Application: Jacketed Burial semiflex cable is recommended for underground applications in conduit or direct burial installations. This version features a cold flowing, self-healing flooding compound for underground applications, providing an additional layer of corrosion protection. For aerial applications, non-dripping asphaltic flooding compound is used which also serves as an additional layer of corrosion protection.



ARMORED

Application: Where cable is exposed to extensive mechanical abuse and rodent attack, Armored semiflex cable is recommended. Used for direct burial applications, Armored semiflex cable features a flooded steel tape and jacket which are layered over the standard flooded jacketed cable to increase mechanical strength.

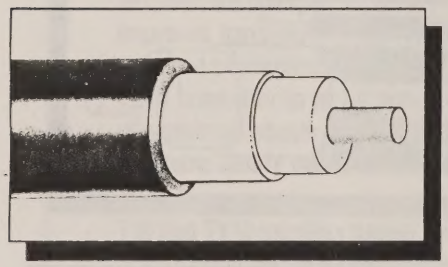


PART NUMBERS

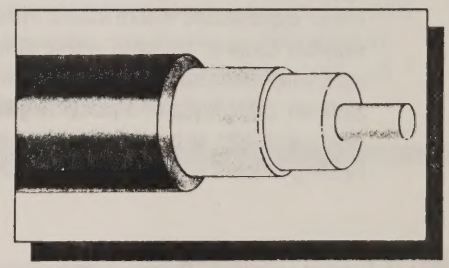
CONSTRUCTION	CENTER CONDUCTOR Copper-Clad Aluminum	
	Part Number	MI Number
Unjacketed	T10500	24500
Unjacketed, Color Coded	T10500VI	24510
Jacketed	T10500J	24501
Jacketed, Color Coded	T10500JVI	24511
Jacketed Messengered	T10500MS	24505
Jacketed Flooded, Polyisobutylene	T10500JB	24502
Jacketed Flooded, Polyisobutylene, Color Coded	T10500JBVI	24512
Jacketed Flooded, Asphalt*	T10500JBF	24504
Jacketed Flooded, Asphalt,* Color Coded	T10500JBFVI	24514
Armored	T10500JBA	24503
Armored, Color Coded	T10500JBAVI	24513
CATV rated, UL Listed	T10500V	24500V

*Used for aerial applications due to non-flowing, non-dripping compound.

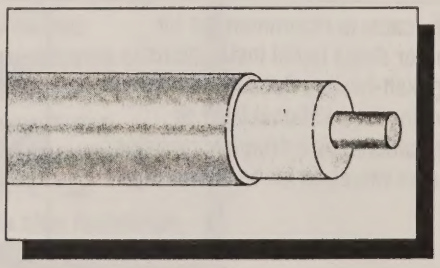
Note: Standard colored stripes are red, yellow, green, purple, white, and slate. For other color combinations, please contact a customer service representative or your area salesman.



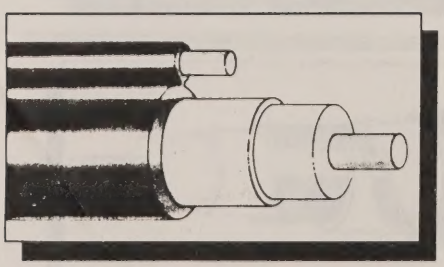
Jacketed



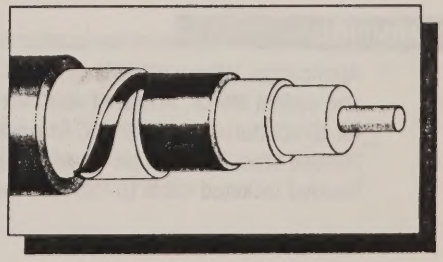
Jacketed Burial



Unjacketed



Messengered



Armored

T10 SEMIFLEX CABLE SERIES 500

PHYSICAL SPECIFICATIONS

NOMINAL DIMENSIONS	UNJACKETED*		JACKETED		MESSENGERED		JACKETED BURIAL		ARMORED	
Conductor	0.109 in.	2.77 mm	0.109 in.	2.77 mm	0.109 in.	2.77 mm	0.109 in.	2.77 mm	0.109 in.	2.77 mm
Insulation	0.450 in.	11.4 mm	0.450 in.	11.4 mm	0.450 in.	11.4 mm	0.450 in.	11.4 mm	0.450 in.	11.4 mm
Outer Conductor	0.500 in.	12.7 mm	0.500 in.	12.7 mm	0.500 in.	12.7 mm	0.500 in.	12.7 mm	0.500 in.	12.7 mm
First Jacket	---	---	0.560 in.	14.2 mm	0.580 in.	14.7 mm	0.570 in.	14.5 mm	0.570 in.	14.5 mm
Messenger	---	---	---	---	0.109 in.	2.77 mm	---	---	---	---
Armor	---	---	---	---	---	---	---	---	0.590 in.	14.9 mm
Second Jacket	---	---	---	---	---	---	---	---	0.690 in.	17.5 mm
Nominal Weight (per 1000 ft.)	79 lb.	36 kg	98 lb.	44 kg	153 lb.	69 kg	102 lb.	46 kg	198 lb.	90 kg
Nominal Weight (per reel)	262 lb.	119 kg	308 lb.	140 kg	461 lb.	206 kg	317 lb.	144 kg	567 lb.	257 kg
Nominal Length (per reel)	2350 ft.	716 m	2350 ft.	716 m	2350 ft.	716 m	2350 ft.	716 m	2350 ft.	716 m
Maximum Pull Force	240 lb.	109 kg	240 lb.	109 kg	540 lb.	245 kg	240 lb.	109 kg	240 lb.	109 kg
Minimum Bend Radius	4.0 in.	100 mm	3.5 in.	89 mm	4.0 in.	100 mm	3.5 in.	89 mm	9.7 in.	250 mm
Messenger Break Strength	---	---	---	---	1800 lb.	820 kg	---	---	---	---
Reel Size (inches) (Flange x Traverse x Hub)	36x18x16		36x18x16		42x18x18		36x18x16		42x18x18	
Reel Size (centimeters) (Flange x Traverse x Hub)	91x46x41		91x46x41		107x46x46		91x46x41		107x46x46	

* All T10 Unjacketed Cable is available CATV rated, UL Listed.

ELECTRICAL SPECIFICATIONS

Nominal DC Resistance at 68° F	ohms per 1000	
Copper-Clad Aluminum Center Conductor	**feet**	**meters**
Loop	1.70 ft.	5.58 m
Center	1.35 ft.	4.43 m
Impedance	75 +/- 2 ohms	
Velocity of Propagation	87% nominal	
Nominal Capacitance	15.6 pf/ft	

ATTENUATION

Frequency	Nominal	Maximum	Nominal	Maximum
(MHz)	(dB per 100 feet)		(dB per 100 meters)	
5	0.16	0.16	0.52	0.52
30	0.39	0.40	1.28	1.31
50	0.50	0.52	1.64	1.71
108	0.75	0.77	2.46	2.53
216	1.07	1.10	3.51	3.61
240	1.14	1.17	3.74	3.84
270	1.21	1.24	3.97	4.07
300	1.28	1.31	4.20	4.30
325	1.34	1.37	4.40	4.49
350	1.39	1.43	4.56	4.69
375	1.44	1.48	4.72	4.85
400	1.49	1.53	4.89	5.02
450	1.59	1.63	5.22	5.35
500	1.68	1.73	5.51	5.67
550	1.77	1.82	5.81	5.97
600	1.86	1.91	6.10	6.26
650	1.94	1.99	6.36	6.53
700	2.02	2.08	6.63	6.82
750	2.10	2.16	6.89	7.08
800	2.18	2.24	7.15	7.35
862	2.27	2.33	7.45	7.64
900	2.32	2.39	7.61	7.84
950	2.39	2.46	7.84	8.07
1000	2.46	2.53	8.07	8.30

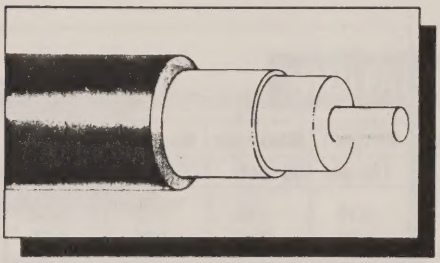
At 68°F with +/- 1% per 10°F Variance

PART NUMBERS

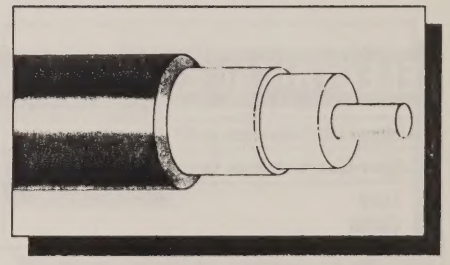
CONSTRUCTION	CENTER CONDUCTOR Copper-Clad Aluminum	
	Part Number	MI Number
Unjacketed	T10625	24600
Unjacketed, Color Coded	T10625VI	24610
Jacketed	T10625J	24601
Jacketed, Color Coded	T10625JVI	24611
Jacketed Messengered	T10625MS	24605
Jacketed Flooded, Polyisobutylene	T10625JB	24602
Jacketed Flooded, Polyisobutylene, Color Coded	T10625JBVI	24612
Jacketed Flooded, Asphalt*	T10625JBF	24604
Jacketed Flooded, Asphalt,* Color Coded	T10625JBFVI	24614
Armored	T10625JBA	24603
Armored, Color Coded	T10625JBAVI	24613
CATV rated, (UL) Listed	T10625V	24600V

*Used for aerial applications due to non-flowing, non-dripping compound.

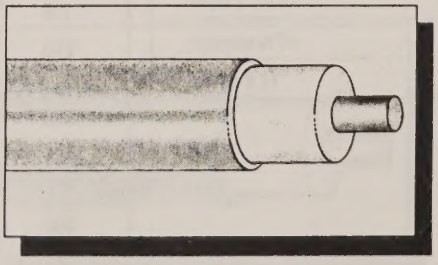
Note: Standard colored stripes are red, yellow, green, purple, white, and slate. For other color combinations, please contact a customer service representative or your area salesman.



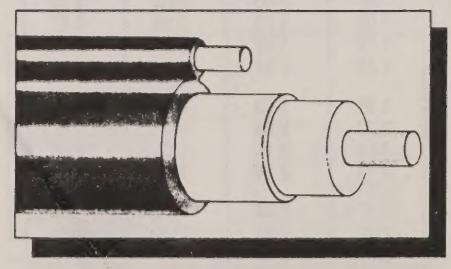
Jacketed



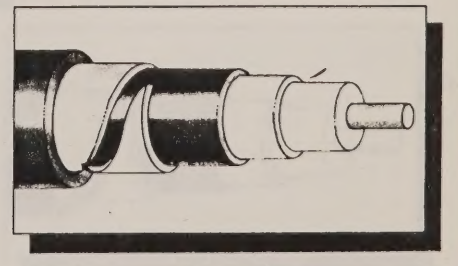
Jacketed Burial



Unjacketed



Messengered



Armored

T10 SEMIFLEX CABLE SERIES 625

PHYSICAL SPECIFICATIONS

NOMINAL DIMENSIONS	UNJACKETED*		JACKETED		MESSENGERED		JACKETED BURIAL		ARMORED	
Conductor	0.136 in.	3.45 mm	0.136 in.	3.45 mm	0.136 in.	3.45 mm	0.136 in.	3.45 mm	0.136 in.	3.45 mm
Insulation	0.563 in.	14.3 mm	0.563 in.	14.3 mm	0.563 in.	14.3 mm	0.563 in.	14.3 mm	0.563 in.	14.3 mm
Outer Conductor	0.625 in.	15.9 mm	0.625 in.	15.9 mm	0.625 in.	15.9 mm	0.625 in.	15.9 mm	0.625 in.	15.9 mm
First Jacket	---	---	0.685 in.	17.4 mm	0.725 in.	18.4 mm	0.695 in.	17.7 mm	0.695 in.	17.7 mm
Messenger*	---	---	---	---	0.188 in.	4.78 mm	---	---	---	---
Armor	---	---	---	---	---	---	---	---	0.715 in.	18.2 mm
Second Jacket	---	---	---	---	---	---	---	---	0.815 in.	20.7 mm
Nominal Weight (per 1000 ft.)	122 lb.	55 kg	146 lb.	66 kg	255 lb.	116 kg	151 lb.	68 kg	267 lb.	121 kg
Nominal Weight (per reel)	381 lb.	173 kg	438 lb.	199 kg	763 lb.	346 kg	448 lb.	203 kg	761 lb.	345 kg
Nominal Length (per reel)	2300 ft.	700 m	2300 ft.	700 m	2300 ft.	700 m	2300 ft.	700 m	2300 ft.	700 m
Maximum Pull Force	350 lb.	159 kg	350 lb.	159 kg	600 lb.	272 kg	350 lb.	159 kg	350 lb.	159 kg
Minimum Bend Radius	5.0 in.	130 mm	4.5 in.	110 mm	5.0 in.	130 mm	4.5 in.	110 mm	11.4 in.	290 mm
Messenger Break Strength	---	---	---	---	3990 lb.	1800 kg	---	---	---	---
Reel Size (inches) (Flange x Traverse x Hub)	42X18X18		42X18X18		54X24X30		42X18X18		48X24X30	
Reel Size (centimeters) (Flange x Traverse x Hub)	107X46X46		107X46X46		137X61X76		107X46X46		122X61X76	

* All T10 Unjacketed Cable is available CATV rated, UL Listed.

**Stranded

ELECTRICAL SPECIFICATIONS

Nominal DC Resistance at 68° F	ohms per 1000	
Copper-Clad Aluminum Center Conductor	feet	meters
Loop	1.10 ft.	3.61 m
Center	0.86 ft.	2.82 m
Impedance	75 +/- 2 ohms	
Velocity of Propagation	87% nominal	
Nominal Capacitance	15.6 pf/ft	

ATTENUATION

Frequency	Nominal	Maximum	Nominal	Maximum
(MHz)	(dB per 100 feet)		(dB per 100 meters)	
5	0.12	0.13	0.39	0.43
30	0.31	0.32	1.02	1.05
50	0.40	0.42	1.31	1.38
108	0.60	0.63	1.97	2.07
216	0.87	0.91	2.85	2.98
240	0.92	0.96	3.02	3.15
270	0.98	1.02	3.21	3.35
300	1.04	1.08	3.41	3.54
325	1.09	1.13	3.58	3.71
350	1.13	1.18	3.71	3.87
375	1.18	1.22	3.87	4.00
400	1.22	1.27	4.00	4.17
450	1.30	1.35	4.26	4.43
500	1.38	1.43	4.53	4.69
550	1.45	1.51	4.76	4.95
600	1.52	1.58	4.99	5.18
650	1.59	1.66	5.22	5.44
700	1.66	1.73	5.44	5.67
750	1.72	1.79	5.64	5.87
800	1.79	1.86	5.87	6.10
862	1.86	1.94	6.10	6.36
900	1.91	1.99	6.26	6.53
950	1.97	2.05	6.46	6.72
1000	2.03	2.11	6.66	6.92

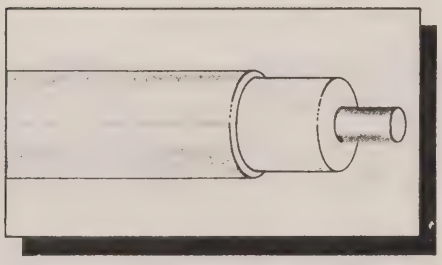
At 68°F with +/- 1% per 10°F Variance

PART NUMBERS

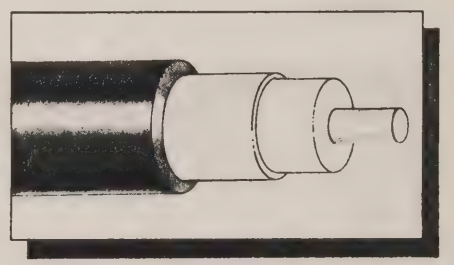
CONSTRUCTION	CENTER CONDUCTOR Copper-Clad Aluminum	
	Part Number	MI Number
Unjacketed	T10750	24700
Unjacketed, Color Coded	T10750VI	24710
Jacketed	T10750J	24701
Jacketed, Color Coded	T10750JVI	24711
Jacketed Messengered	----	----
Jacketed Flooded, Polyisobutylene	T10750JB	24702
Jacketed Flooded, Polyisobutylene, Color Coded	T10750JBVI	24712
Jacketed Flooded, Asphalt*	T10750JBF	24704
Jacketed Flooded, Asphalt,* Color Coded	T10750JBFVI	24714
Armored	T10750JBA	24703
Armored, Color Coded	T10750JBAVI	24713
CATV rated, (UL) Listed	T10750V	24700V

*Used for aerial applications due to non-flowing, non-dripping compound.

Note: Standard colored stripes are red, yellow, green, purple, white, and slate. For other color combinations, please contact a customer service representative or your area salesman.



Unjacketed



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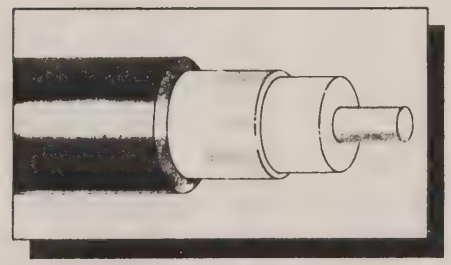
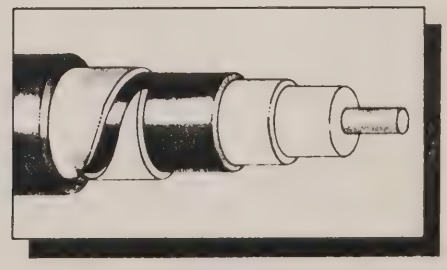


Jacketed Burial



Armored

T10 SEMIFLEX CABLE SERIES 750

PHYSICAL SPECIFICATIONS

NOMINAL DIMENSIONS	UNJACKETED*		JACKETED		JACKETED BURIAL		ARMORED	
Conductor	0.165 in.	4.19 mm	0.165 in.	4.19 mm	0.165 in.	4.19 mm	0.165 in.	4.19 mm
Insulation	0.678 in.	17.2 mm	0.678 in.	17.2 mm	0.678 in.	17.2 mm	0.678 in.	17.2 mm
Outer Conductor	0.750 in.	19.1 mm	0.750 in.	19.1 mm	0.750 in.	19.1 mm	0.750 in.	19.1 mm
First Jacket	---	---	0.820 in.	20.8 mm	0.830 in.	21.1 mm	0.830 in.	21.1 mm
Messenger	---	---	---	---	---	---	---	---
Armor	---	---	---	---	---	---	0.850 in.	21.4 mm
Second Jacket	---	---	---	---	---	---	0.950 in.	24.1 mm
Nominal Weight (per 1000 ft.)	173 lb.	78 kg	207 lb.	94 kg	213 lb.	97 kg	350 lb.	159 kg
Nominal Weight (per reel)	562 lb.	255 kg	673 lb.	305 kg	686 lb.	311 kg	1038 lb.	471 kg
Nominal Length (per reel)	2400 ft.	730 m	2400 ft.	730 m	2400 ft.	730 m	2400 ft.	730 m
Maximum Pull Force	470 lb.	213 kg	470 lb.	213 kg	470 lb.	213 kg	470 lb.	213 kg
Minimum Bend Radius	7.0 in.	180 mm	6.0 in.	150 mm	6.0 in.	150 mm	13.3 in.	338 mm
Messenger Break Strength	---	---	---	---	---	---	---	---
Reel Size (inches) (Flange x Traverse x Hub)	48X24X30		54X24X30		54X24X30		57X24X35	
Reel Size (centimeters) (Flange x Traverse x Hub)	122X61X76		137X61X76		137X61X76		148X61X89	

* All T10 Unjacketed Cable is available CATV rated, (UL) Listed.

ELECTRICAL SPECIFICATIONS

Nominal DC Resistance at 68° F	ohms per 1000	
Copper-Clad Aluminum Center Conductor	feet	meters
Loop	.075 ft.	2.46 m
Center	0.59 ft.	1.94 m
Impedance	75 +/- 2 ohms	
Velocity of Propagation	87% nominal	
Nominal Capacitance	15.6 pf/ft	

ATTENUATION

Frequency	Nominal	Maximum	Nominal	Maximum
(MHz)	(dB per 100 feet)		(dB per 100 meters)	
5	0.10	0.11	0.33	0.36
30	0.26	0.27	0.85	0.89
50	0.34	0.35	1.12	1.15
108	0.50	0.52	1.64	1.71
216	0.72	0.75	2.36	2.46
240	0.77	0.79	2.53	2.59
270	0.82	0.84	2.69	2.76
300	0.86	0.89	2.82	2.92
325	0.90	0.93	2.95	3.05
350	0.94	0.97	3.08	3.18
375	0.98	1.01	3.21	3.31
400	1.01	1.05	3.31	3.44
450	1.08	1.12	3.54	3.67
500	1.14	1.18	3.74	3.87
550	1.20	1.25	3.94	4.10
600	1.26	1.31	4.13	4.30
650	1.32	1.37	4.33	4.49
700	1.38	1.43	4.53	4.69
750	1.43	1.48	4.69	4.85
800	1.48	1.54	4.85	5.05
862	1.55	1.60	5.08	5.25
900	1.59	1.64	5.22	5.38
950	1.64	1.69	5.38	5.54
1000	1.68	1.74	5.51	5.71

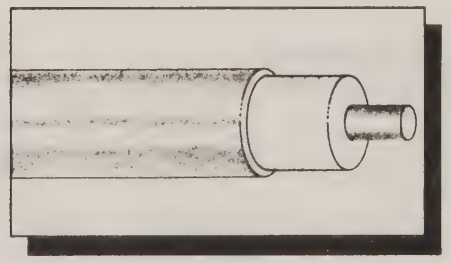
At 68°F with +/- 1% per 10°F Variance

PART NUMBERS

CONSTRUCTION	CENTER CONDUCTOR Copper-Clad Aluminum	
	Part Number	MI Number
Unjacketed	T10875	24800
Unjacketed, Color Coded	T10875VI	24810
Jacketed	T10875J	24801
Jacketed, Color Coded	T10875JVI	24811
Jacketed Messengered	----	---
Jacketed Flooded, Polyisobutylene	T10875JB	24802
Jacketed Flooded, Polyisobutylene, Color Coded	T10875JBVI	24812
Jacketed Flooded, Asphalt*	T10875JBF	24804
Jacketed Flooded, Asphalt,* Color Coded	T10875JBFVI	24814
Armored	T10875JBA	24803
Armored, Color Coded	T106875JBAVI	24813
CATV rated, UL Listed	T10875V	24800V

*Used for aerial applications due to non-flowing, non-dripping compound.

Note: Standard colored stripes are red, yellow, green, purple, white, and slate. For other color combinations, please contact a customer service representative or your area salesman.



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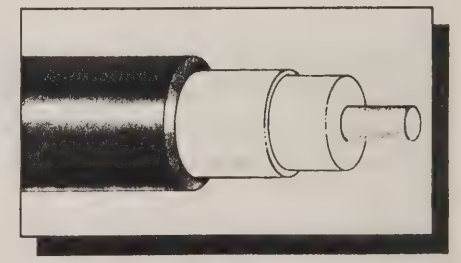
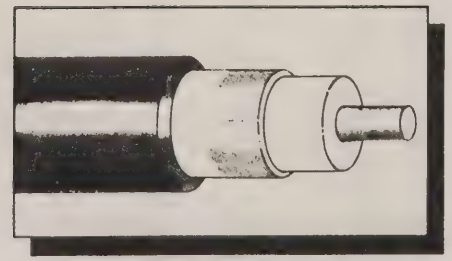
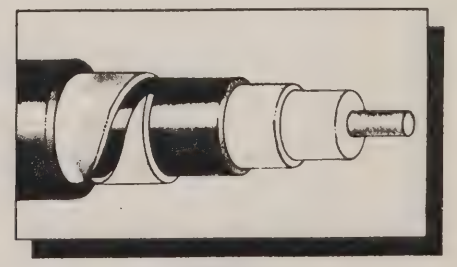


Jacketed



Jacketed Burial



Armored

T10 SEMIFLEX CABLE SERIES 875

PHYSICAL SPECIFICATIONS

NOMINAL DIMENSIONS	UNJACKETED*		JACKETED		JACKETED BURIAL		ARMORED	
Conductor	0.194 in.	4.83 mm	0.194 in.	4.93 mm	0.194 in.	4.93 mm	0.194 in.	4.93 mm
Insulation	0.797 in.	20.2 mm	0.797 in.	20.2 mm	0.797 in.	20.2 mm	0.797 in.	20.2 mm
Outer Conductor	0.875 in.	22.2 mm	0.875 in.	27.2 mm	0.875 in.	22.2 mm	0.875 in.	22.2 mm
First Jacket	---	---	0.945 in.	24.0 mm	0.955 in.	24.3 mm	0.955 in.	24.3 mm
Messenger	---	---	---	---	---	---	---	---
Armor	---	---	---	---	---	---	0.975 in.	24.8 mm
Second Jacket	---	---	---	---	---	---	1.075 in.	27.3 mm
Nominal Weight (per 1000 ft.)	227 lb.	103 kg	267 lb.	121 kg	273 lb.	124 kg	431 lb.	195 kg
Nominal Weight (per reel)	732 lb.	332 kg	826 lb.	375 kg	840 lb.	381 kg	1319 lb.	598 kg
Nominal Length (per reel)	2350 ft.	716 m	2350 ft.	716 m	2350 ft.	716 m	2350 ft.	716 m
Maximum Pull Force	530 lb.	240 kg	530 lb.	240 kg	530 lb.	240 kg	530 lb.	240 kg
Minimum Bend Radius	8.0 in.	200 mm	7.0 in.	180 mm	7.0 in.	150 mm	15.0 in.	380 mm
Messenger Break Strength	---	---	---	---	---	---	---	---
Reel Size (inches) (Flange x Traverse x Hub)	57X24X55		57X24X35		57X24X35		63X26X50	
Reel Size (centimeters) (Flange x Traverse x Hub)	144X61X140		144X61X89		144X61X89		160X66X127	

* All T10 Unjacketed Cable is available CATV rated, UL Listed.

ELECTRICAL SPECIFICATIONS

Nominal DC Resistance at 68° F	ohms per 1000	
Copper-Clad Aluminum Center Conductor	feet	meters
Loop	0.56 ft.	1.8 m
Center	0.42 ft.	1.4 m
Impedance	75 +/- 2 ohms	
Velocity of Propagation	87% nominal	
Nominal Capacitance	15.6 pf/ft	

ATTENUATION

Frequency	Nominal	Maximum	Nominal	Maximum
(MHz)	(dB per 100 feet)		(dB per 100 meters)	
5	0.09	0.09	0.30	0.30
30	0.22	0.23	0.72	0.75
50	0.28	0.30	0.92	0.98
108	0.43	0.45	1.41	1.48
216	0.62	0.65	2.03	2.13
240	0.65	0.69	2.13	2.26
270	0.70	0.73	2.30	2.39
300	0.74	0.78	2.43	2.56
325	0.77	0.81	2.53	2.66
350	0.80	0.84	2.62	2.76
375	0.84	0.88	2.76	2.89
400	0.87	0.91	2.85	2.98
450	0.92	0.97	3.02	3.18
500	0.98	1.03	3.21	3.38
550	1.03	1.09	3.38	3.58
600	1.09	1.14	3.58	3.74
650	1.14	1.19	3.74	3.90
700	1.19	1.24	3.90	4.07
750	1.23	1.29	4.03	4.23
800	1.28	1.34	4.20	4.40
862	1.34	1.40	4.40	4.59
900	1.37	1.44	4.49	4.72
950	1.41	1.48	4.62	4.85
1000	1.45	1.53	4.76	5.02

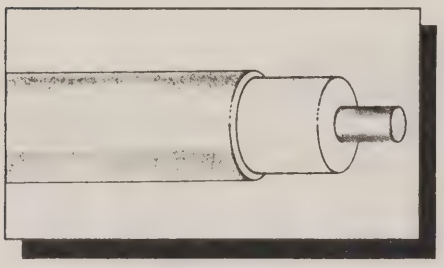
At 68°F with +/- 1% per 10°F Variance

PART NUMBERS

CONSTRUCTION	CENTER CONDUCTOR Copper-Clad Aluminum	
	Part Number	MI Number
Unjacketed	T101000	24900
Unjacketed, Color Coded	T101000VI	24910
Jacketed	T101000J	24901
Jacketed, Color Coded	T101000JVI	24911
Jacketed Messengered	----	---
Jacketed Flooded, Polyisobutylene	T101000JB	24902
Jacketed Flooded, Polyisobutylene, Color Coded	T101000JBVI	24912
Jacketed Flooded, Asphalt*	T101000JBF	24904
Jacketed Flooded, Asphalt,* Color Coded	T101000JBFVI	24914
Armored	T101000JBA	24903
Armored, Color Coded	T101000JBAVI	24913
CATV rated, (UL) Listed	T101000V	24900V

*Used for aerial applications due to non-flowing, non-dripping compound.

Note: Standard colored stripes are red, yellow, green, purple, white, and slate. For other color combinations, please contact a customer service representative or your area salesman.



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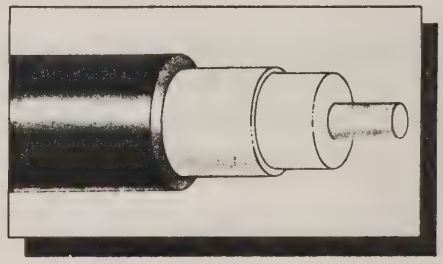

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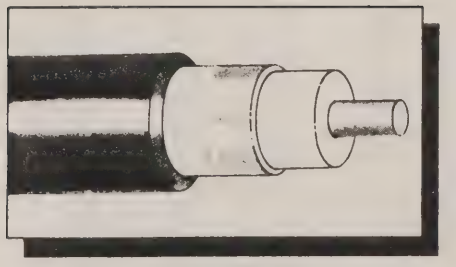
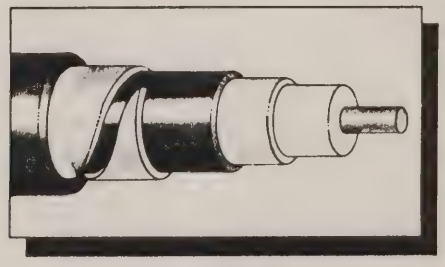


Jacketed Burial



Armored

T10 SEMIFLEX CABLE SERIES 1000

PHYSICAL SPECIFICATIONS

NOMINAL DIMENSIONS	UNJACKETED*		JACKETED		JACKETED BURIAL		ARMORED	
Conductor	0.220 in.	5.59 mm	0.220 in.	5.59 mm	0.220 in.	5.59 mm	0.220 in.	5.59 mm
Insulation	0.890 in.	22.6 mm	0.890 in.	22.6 mm	0.890 in.	22.6 mm	0.890 in.	22.6 mm
Outer Conductor	1.000 in.	25.4 mm	1.000 in.	25.4 mm	1.000 in.	25.4 mm	1.000 in.	25.4 mm
First Jacket	---	---	1.080 in.	27.4 mm	1.090 in.	27.7 mm	1.090 in.	27.7 mm
Messenger	---	---	---	---	---	---	---	---
Armor	---	---	---	---	---	---	1.110 in.	28.2 mm
Second Jacket	---	---	---	---	---	---	1.210 in.	30.7 mm
Nominal Weight (per 1000 ft.)	327 lb.	148 kg	380 lb.	176 kg	387 lb.	176 kg	566 lb.	257 kg
Nominal Weight (per reel)	1058 lb.	480 kg	1122 lb.	509 kg	1037 lb.	470 kg	1702 lb.	772 kg
Nominal Length (per reel)	2300 ft.	700 m	2150 ft.	655 m	2150 ft.	655 m	2150 ft.	655 m
Maximum Pull Force	610 lb.	277 kg	610 lb.	277 kg	610 lb.	277 kg	610 lb.	277 kg
Minimum Bend Radius	9.0 in.	230 mm	8.0 in.	200 mm	8.0 in.	200 mm	16.9 in.	430 mm
Messenger Break Strength	---	---	---	---	---	---	---	---
Reel Size (inches) (Flange x Traverse x Hub)	63X26X40		63X26X40		63X26X40		66X36X42	
Reel Size (centimeters) (Flange x Traverse x Hub)	160X66X102		160X66X102		160X66X102		168X91X107	

* All T10 Unjacketed Cable is available CATV rated, UL Listed.

ELECTRICAL SPECIFICATIONS

Nominal DC Resistance at 68° F	ohms per 1000	
Copper-Clad Aluminum Center Conductor	feet	meters
Loop	0.41 ft.	1.3 m
Center	0.33 ft.	1.1 m
Impedance	75 +/- 2 ohms	
Velocity of Propagation	87% nominal	
Nominal Capacitance	15.6 pf/ft	

ATTENUATION

Frequency	Nominal	Maximum	Nominal	Maximum
(MHz)	(dB per 100 feet)		(dB per 100 meters)	
5	0.08	0.08	0.26	0.26
30	0.20	0.21	0.66	0.69
50	0.26	0.27	0.85	0.89
108	0.39	0.41	1.28	1.34
216	0.57	0.60	1.87	1.97
240	0.60	0.63	1.97	2.07
270	0.64	0.67	2.10	2.20
300	0.68	0.72	2.23	2.36
325	0.71	0.75	2.33	2.46
350	0.74	0.78	2.43	2.56
375	0.77	0.81	2.53	2.66
400	0.80	0.84	2.62	2.76
450	0.86	0.90	2.82	2.95
500	0.91	0.96	2.98	3.15
550	0.96	1.01	3.15	3.31
600	1.01	1.06	3.31	3.48
650	1.06	1.11	3.48	3.64
700	1.11	1.16	3.64	3.80
750	1.16	1.21	3.80	3.97
800	1.20	1.26	3.94	4.13
862	1.25	1.32	4.10	4.33
900	1.29	1.35	4.23	4.43
950	1.33	1.40	4.36	4.59
1000	1.37	1.44	4.49	4.72

At 68°F with +/- 1% per 10°F Variance

ATTENUATION SUMMARY (dB per 100 feet)

Frequency	Series 500		Series 625		Series 750		Series 875		Series 1000	
(MHz)	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum
5	0.16	0.16	0.12	0.13	0.10	0.11	0.09	0.09	0.08	0.08
30	0.39	0.40	0.31	0.32	0.26	0.27	0.22	0.23	0.20	0.21
50	0.50	0.52	0.40	0.42	0.34	0.35	0.28	0.30	0.26	0.27
108	0.75	0.77	0.60	0.63	0.50	0.52	0.43	0.45	0.39	0.41
216	1.07	1.10	0.87	0.91	0.72	0.75	0.62	0.65	0.57	0.60
240	1.14	1.17	0.92	0.96	0.77	0.79	0.65	0.69	0.60	0.63
270	1.21	1.24	0.98	1.02	0.82	0.84	0.70	0.73	0.64	0.67
300	1.28	1.31	1.04	1.08	0.86	0.89	0.74	0.78	0.68	0.72
325	1.34	1.37	1.09	1.13	0.90	0.93	0.77	0.81	0.71	0.75
350	1.39	1.43	1.13	1.18	0.94	0.97	0.80	0.84	0.74	0.78
375	1.44	1.48	1.18	1.22	0.98	1.01	0.84	0.88	0.79	0.81
400	1.49	1.53	1.22	1.27	1.01	1.05	0.87	0.91	0.80	0.84
450	1.59	1.63	1.30	1.35	1.08	1.12	0.92	0.97	0.86	0.90
500	1.68	1.73	1.38	1.43	1.14	1.18	0.98	1.03	0.91	0.96
550	1.77	1.82	1.45	1.51	1.20	1.25	1.03	1.09	0.96	1.01
600	1.86	1.91	1.52	1.58	1.26	1.31	1.09	1.14	1.01	1.06
650	1.94	1.99	1.59	1.66	1.32	1.37	1.14	1.19	1.06	1.11
700	2.02	2.08	1.66	1.73	1.38	1.43	1.19	1.24	1.11	1.16
750	2.10	2.16	1.72	1.79	1.43	1.48	1.23	1.29	1.16	1.21
800	2.18	2.24	1.79	1.86	1.48	1.54	1.28	1.34	1.20	1.26
862	2.27	2.33	1.86	1.94	1.55	1.60	1.34	1.40	1.25	1.32
900	2.32	2.39	1.91	1.99	1.59	1.64	1.37	1.44	1.29	1.35
950	2.39	2.46	1.97	2.05	1.64	1.69	1.41	1.48	1.33	1.40
1000	2.46	2.53	2.03	2.11	1.68	1.74	1.45	1.53	1.37	1.44

At 68° F with +/- 1% per 10° F Variance

ATTENUATION SUMMARY (dB per 100 meters)

Frequency	Series 500		Series 625		Series 750		Series 875		Series 1000	
(MHz)	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum
5	0.52	0.52	0.39	0.43	0.33	0.36	0.30	0.30	0.26	0.26
30	1.28	1.31	1.02	1.05	0.85	0.89	0.72	0.75	0.66	0.69
50	1.64	1.71	1.31	1.38	1.12	1.15	0.92	0.98	0.85	0.89
108	2.46	2.53	1.97	2.07	1.64	1.71	1.41	1.48	1.28	1.34
216	3.51	3.61	2.85	2.98	2.36	2.46	2.03	2.13	1.87	1.97
240	3.74	3.84	3.02	3.15	2.53	2.59	2.13	2.26	1.97	2.07
270	3.97	4.07	3.21	3.35	2.69	2.76	2.30	2.39	2.10	2.20
300	4.20	4.30	3.41	3.54	2.82	2.92	2.43	2.56	2.23	2.36
325	4.40	4.49	3.58	3.71	2.95	3.05	2.53	2.66	2.33	2.46
350	4.56	4.69	3.71	3.87	3.08	3.18	2.62	2.76	2.43	2.56
375	4.72	4.85	3.87	4.00	3.21	3.31	2.76	2.89	2.53	2.66
400	4.89	5.02	4.00	4.17	3.31	3.44	2.85	2.98	2.62	2.76
450	5.22	5.35	4.26	4.43	3.54	3.67	3.02	3.18	2.82	2.95
500	5.51	5.67	4.53	4.69	3.74	3.87	3.21	3.38	2.98	3.15
550	5.81	5.97	4.76	4.95	3.94	4.10	3.38	3.58	3.15	3.31
600	6.10	6.26	4.99	5.18	4.13	4.30	3.58	3.74	3.31	3.48
650	6.36	6.53	5.22	5.44	4.33	4.49	3.74	3.90	3.48	3.64
700	6.63	6.82	5.44	5.67	4.53	4.69	3.90	4.07	3.64	3.80
750	6.89	7.08	5.64	5.87	4.69	4.85	4.03	4.23	3.80	3.97
800	7.15	7.35	5.87	6.10	4.85	5.05	4.20	4.40	3.94	4.13
862	7.45	7.64	6.10	6.36	5.08	5.25	4.40	4.59	4.10	4.33
900	7.61	7.84	6.26	6.53	5.22	5.38	4.49	4.72	4.23	4.43
950	7.84	8.07	6.46	6.72	5.38	5.54	4.62	4.85	4.36	4.59
1000	8.07	8.30	6.66	6.92	5.51	5.71	4.76	5.02	4.49	4.72

At 20° C with +/- 1.8% per 10° C Variance

TX10

SEMIFLEX CABLE SERIES

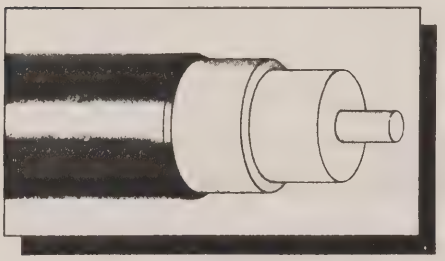
565 SEMIFLEX CABLE SERIES TX10

PART NUMBERS

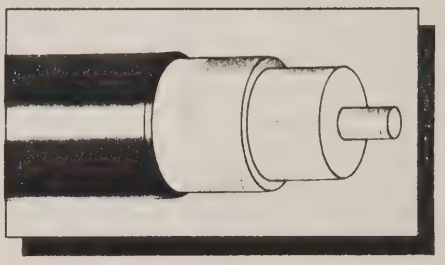
CONSTRUCTION	Part Number	MI Number
Jacketed	TX10565J	25501
Jacketed, Color Coded	TX10565JVI	25511
Jacketed Messengered	TX10565MS	25505
Jacketed Flooded, Polyisobutylene	TX10565JB	25502
Jacketed Flooded, Polyisobutylene, Color Coded	TX10565JBVI	25512
Jacketed Flooded, Asphalt*	TX10565JBF	25504
Jacketed Flooded, Asphalt,* Color Coded	TX10565JBFVI	25514
Armored	TX10565JBA	25503
Armored, Color Coded	TX10565JBAVI	25513

*Used for aerial applications due to non-flowing, non-dripping compound.

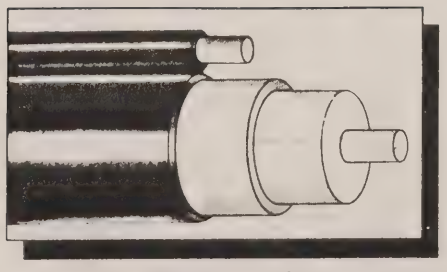
Note: Standard colored stripes are red, yellow, green, purple, white, and slate. For other color combinations, please contact a customer service representative or your area salesman.



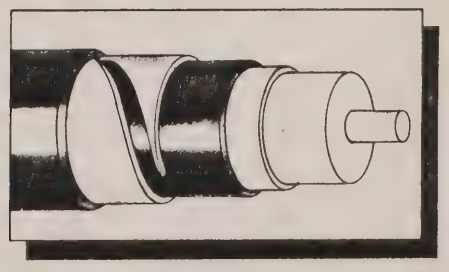
Jacketed



Jacketed Burial



Messengered



Armored

TX10 565

SEMIFLEX CABLE SERIES

PHYSICAL SPECIFICATIONS

NOMINAL DIMENSIONS	JACKETED		MESSENGERED		JACKETED BURIAL		ARMORED	
Conductor	0.129 in.	3.28 mm	0.129 in.	3.28 mm	0.129 in.	3.28 mm	0.129 in.	3.28 mm
Insulation	0.519 in.	13.2 mm	0.519 in.	13.2 mm	0.519 in.	13.2 mm	0.519 in.	13.2 mm
Outer Conductor	0.565 in.	14.4 mm	0.565 in.	14.4 mm	0.565 in.	14.4 mm	0.565 in.	14.4 mm
First Jacket	0.625 in.	15.9 mm	0.625 in.	15.9 mm	0.635 in.	16.1 mm	0.635 in.	16.1 mm
Messenger	---	---	0.188 in.	4.77 mm	---	---	---	---
Armor	---	---	---	---	---	---	0.755 in.	19.2 mm
Second Jacket	---	---	---	---	---	---	1.210 in.	30.7 mm
Nominal Weight (per 1000 ft.)	107 lb.	49 kg	197 lb.	89 kg	111 lb.	50 kg	217 lb.	98 kg
Nominal Weight (per reel)	383 lb.	174 kg	627 lb.	284 kg	393 lb.	178 kg	1676 lb.	307 kg
Nominal Length (per reel)	2450 ft.	747 m	2450 ft.	747 m	2450 ft.	747 m	2450 ft.	747 m
Maximum Pull Force	270 lb.	120 kg	600 lb.	270 kg	270 lb.	120 kg	270 lb.	120 kg
Minimum Bend Radius	8.0 in.	200 mm	8.0 in.	200 mm	8.0 in.	200 mm	11 in.	280 mm
Messenger Break Strength	---	---	---	---	---	---	---	---
Reel Size (inches) (Flange x Traverse x Hub)	44x18x23		48X25X29		44x18x23		48x25x29	
Reel Size (centimeters) (Flange x Traverse x Hub)	112x46x58		123X64X74		112x46x58		123x64x74	

ELECTRICAL SPECIFICATIONS

Nominal DC Resistance at 68° F	ohms per 1000	
Copper-Clad Aluminum Center Conductor	feet	meters
Loop	1.30 ft.	4.26 m
Center	0.96 ft.	3.15 m
Impedance	75 +/- 2 ohms	
Velocity of Propagation	89% nominal	
Nominal Capacitance	15.2 pf/ft	

ATTENUATION

Frequency	Nominal	Maximum	Nominal	Maximum
(MHz)	(dB per 100 feet)		(dB per 100 meters)	
5	0.13	0.14	0.43	0.46
30	0.33	0.34	1.08	1.12
50	0.43	0.45	1.41	1.48
108	0.64	0.66	2.10	2.16
216	0.91	0.95	2.98	3.12
240	0.97	1.01	3.18	3.31
270	1.03	1.07	3.38	3.51
300	1.09	1.13	3.58	3.71
325	1.13	1.18	3.71	3.87
350	1.18	1.23	3.87	4.03
375	1.22	1.27	4.00	4.17
400	1.27	1.32	4.17	4.33
450	1.35	1.40	4.43	4.59
500	1.43	1.49	4.69	4.89
550	1.50	1.56	4.92	5.12
600	1.58	1.64	5.18	5.38
650	1.65	1.71	5.41	5.61
700	1.71	1.78	5.61	5.84
750	1.78	1.85	5.84	6.07
800	1.84	1.92	6.04	6.30
862	1.92	2.00	6.30	6.56
900	1.97	2.04	6.46	6.69
950	2.03	2.11	6.66	6.92
1000	2.08	2.17	6.82	7.12

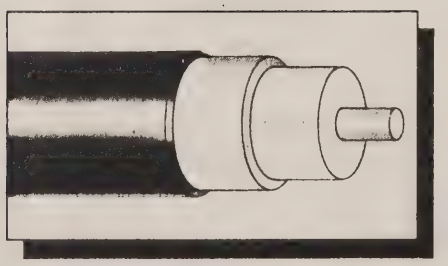
At 68°F with +/- 1% per 10°F Variance

PART NUMBERS

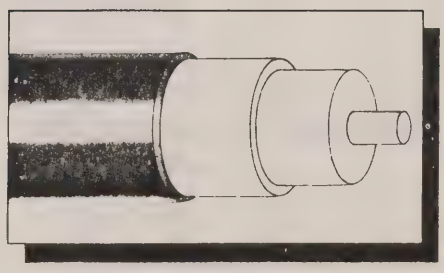
CONSTRUCTION	Part Number	MI Number
Jacketed	TX10840J	25801
Jacketed, Color Coded	TX10840JVI	25811
Jacketed Messengered	----	---
Jacketed Flooded, Polyisobutylene	TX10840JB	25802
Jacketed Flooded, Polyisobutylene, Color Coded	TX10840JBVI	25812
Jacketed Flooded, Asphalt*	TX10840JBF	25804
Jacketed Flooded, Asphalt,* Color Coded	TX10840JBFVI	25814
Armored	TX10840JBA	25803
Armored, Color Coded	TX10840JBAVI	25813

*Used for aerial applications due to non-flowing, non-dripping compound.

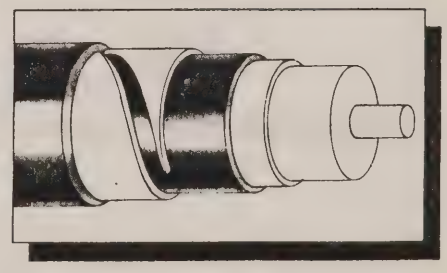
Note: Standard colored stripes are red, yellow, green, purple, white, and slate. For other color combinations, please contact a customer service representative or your area salesman.



Jacketed



Jacketed Burial



Armored

TX10 840

SEMIFLEX CABLE SERIES

PHYSICAL SPECIFICATIONS

NOMINAL DIMENSIONS	JACKETED		JACKETED BURIAL		ARMORED	
Conductor	0.194 in.	4.93 mm	0.194 in.	4.93 mm	0.194 in.	4.93 mm
Insulation	0.780 in.	19.8 mm	0.780 in.	19.8 mm	0.780 in.	19.8 mm
Outer Conductor	0.840 in.	21.3 mm	0.840 in.	21.3 mm	0.840 in.	21.3 mm
First Jacket	0.910 in.	23.1 mm	0.920 in.	23.4 mm	0.920 in.	23.4 mm
Messenger	---	---	---	---	0.940 in.	23.9 mm
Armor	---	---	---	---	1.040 in.	26.4 mm
Second Jacket	---	---	---	---	0.755 in.	19.2 mm
Nominal Weight (per 1000 ft.)	214 lb.	97 kg	220 lb.	100 kg	372 lb.	169 kg
Nominal Weight (per reel)	830 lb.	376 kg	845 lb.	383 kg	1217 lb.	551 kg
Nominal Length (per reel)	2450 ft.	747 m	2450 ft.	747 m	2450 ft.	747 m
Maximum Pull Force	500 lb.	227 kg	500 lb.	227 kg	500 lb.	227 kg
Minimum Bend Radius	12.0 in.	300 mm	12.0 in.	300 mm	15.0 in.	380 mm
Messenger Break Strength	---	---	---	---	---	---
Reel Size (inches) (Flange x Traverse x Hub)	63x26x40		63x26x40		63x26x40	
Reel Size (centimeters) (Flange x Traverse x Hub)	160x66x102		160x66x102		160x66x102	

ELECTRICAL SPECIFICATIONS

Nominal DC Resistance at 68° F	ohms per 1000	
Copper-Clad Aluminum Center Conductor	feet	meters
Loop	0.60 ft.	1.97 m
Center	0.43 ft.	1.40 m
Impedance	75 +/- 2 ohms	
Velocity of Propagation	89% nominal	
Nominal Capacitance	15.2 pf/ft	

ATTENUATION

Frequency	Nominal	Maximum	Nominal	Maximum
(MHz)	(dB per 100 feet)		(dB per 100 meters)	
5	0.09	0.09	0.30	0.30
30	0.22	0.23	0.72	0.75
50	0.29	0.30	0.95	0.98
108	0.43	0.45	1.41	1.48
216	0.63	0.65	2.07	2.13
240	0.67	0.69	2.20	2.26
270	0.71	0.73	2.33	2.39
300	0.75	0.77	2.46	2.53
325	0.79	0.81	2.59	2.66
350	0.82	0.84	2.69	2.76
375	0.85	0.88	2.79	2.89
400	0.88	0.91	2.89	2.98
450	0.94	0.97	3.08	3.18
500	1.00	1.03	3.28	3.38
550	1.05	1.09	3.44	3.58
600	1.11	1.14	3.64	3.74
650	1.16	1.19	3.80	3.90
700	1.21	1.25	3.97	4.10
750	1.26	1.30	4.13	4.26
800	1.30	1.34	4.26	4.40
862	1.36	1.40	4.46	4.59
900	1.40	1.44	4.59	4.72
950	1.44	1.48	4.72	4.85
1000	1.49	1.53	4.89	5.02

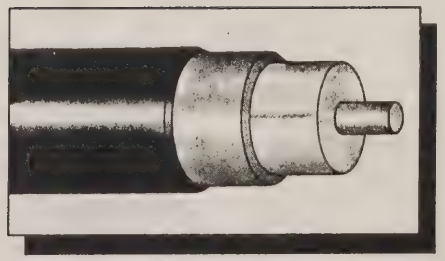
At 68°F with +/- 1% per 10°F Variance

PART NUMBERS

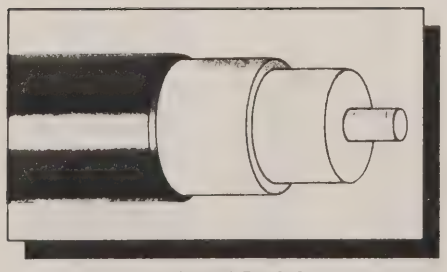
CONSTRUCTION	Part Number	MI Number
Jacketed	TX101160J	25901
Jacketed, Color Coded	TX101160JVI	25911
Jacketed Messengered	----	---
Jacketed Flooded, Polyisobutylene	TX101160JB	25902
Jacketed Flooded, Polyisobutylene, Color Coded	TX101160JBVI	25912
Jacketed Flooded, Asphalt*	TX101160JBF	25904
Jacketed Flooded, Asphalt,* Color Coded	TX101160JBFVI	25914
Armored	TX101160JBA	25903
Armored, Color Coded	TX101160JBAVI	25913

*Used for aerial applications due to non-flowing, non-dripping compound.

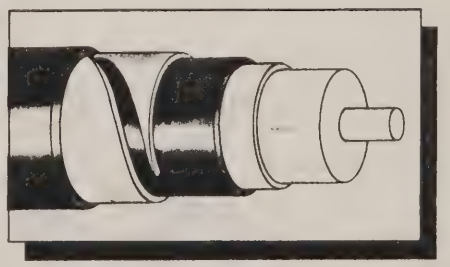
Note: Standard colored stripes are red, yellow, green, purple, white, and slate. For other color combinations, please contact a customer service representative or your area salesman.



Jacketed



Jacketed Burial



Armored

TX10 SEMIFLEX CABLE SERIES 1160

PHYSICAL SPECIFICATIONS

NOMINAL DIMENSIONS	JACKETED		JACKETED BURIAL		ARMORED	
Conductor	0.269 in.	6.83 mm	0.269 in.	6.83 mm	0.269 in.	6.53 mm
Insulation	1.062 in.	27.0 mm	1.062 in.	27.0 mm	1.062 in.	127.0 mm
Outer Conductor	1.160 in.	29.5 mm	1.160 in.	29.5 mm	1.160 in.	29.5 mm
First Jacket	1.250 in.	31.8 mm	1.260 in.	32.0 mm	1.260 in.	32.0 mm
Armor	---	---	---	---	1.280 in.	32.5 mm
Second Jacket	---	---	---	---	1.380 in.	35.1 mm
Nominal Weight (per 1000 ft.)	430 lb.	195 kg	438 lb.	199 kg	644 lb.	292 kg
Nominal Weight (per reel)	1389 lb.	630 kg	1406 lb.	638 kg	1838 lb.	834 kg
Nominal Length (per reel)	2100 ft.	640 m	2100 ft.	640 m	2100 ft.	640 m
Maximum Pull Force	830 lb.	376 kg	830 lb.	376 kg	830 lb.	376 kg
Minimum Bend Radius	16.0 in.	410 mm	16.0 in.	410 mm	20.0 in.	510 mm
Messenger Break Strength	---	---	---	---	---	---
Reel Size (inches) (Flange x Traverse x Hub)	72x26x46		72x26x46		72x26x46	
Reel Size (centimeters) (Flange x Traverse x Hub)	183x66x117		183x66x117		183x66x117	

ELECTRICAL SPECIFICATIONS

Nominal DC Resistance at 68° F	ohms per 1000	
Copper-Clad Aluminum Center Conductor	feet	meters
Loop	0.30 ft.	0.98 m
Center	0.22 ft.	0.72 m
Impedance	75 +/- 2 ohms	
Velocity of Propagation	89% nominal	
Nominal Capacitance	15.2 pf/ft	

ATTENUATION

Frequency	Nominal	Maximum	Nominal	Maximum
(MHz)	(dB per 100 feet)		(dB per 100 meters)	
5	0.07	0.07	0.23	0.23
30	0.16	0.17	0.52	0.56
50	0.22	0.22	0.72	0.72
108	0.33	0.34	1.08	0.12
216	0.48	0.49	1.57	1.61
240	0.51	0.52	1.67	1.71
270	0.54	0.56	1.77	1.84
300	0.58	0.59	1.90	1.94
325	0.60	0.62	1.97	2.03
350	0.63	0.65	2.07	2.13
375	0.65	0.67	2.13	2.20
400	0.68	0.70	2.23	2.30
450	0.73	0.75	2.39	2.46
500	0.77	0.80	2.53	2.62
550	0.82	0.84	2.69	2.76
600	0.86	0.89	2.82	2.92
650	0.90	0.93	2.95	3.05
700	0.94	0.97	3.08	3.18
750	0.98	1.01	3.21	3.31
800	1.02	1.05	3.35	3.44
862	1.07	1.10	3.51	3.61
900	1.10	1.13	3.61	3.71
950	1.13	1.17	3.71	3.84
1000	1.17	1.20	3.84	3.94

At 68°F with +/- 1% per 10°F Variance

TX10

SEMIFLEX CABLE SERIES

TX10

ATTENUATION SUMMARY (dB per 100 feet)

Frequency	Series 500		Series 840		Series 1160	
(MHz)	Nominal	Maximum	Nominal	Max.	Nominal	Maximum
5	0.13	0.14	0.09	0.09	0.07	0.07
30	0.33	0.34	0.22	0.23	0.16	0.17
50	0.43	0.45	0.29	0.30	0.22	0.22
108	0.64	0.66	0.43	0.45	0.33	0.34
216	0.91	0.95	0.63	0.65	0.48	0.49
240	0.97	1.01	0.67	0.69	0.51	0.52
270	1.03	1.07	0.71	0.73	0.54	0.56
300	1.09	1.13	0.75	0.77	0.58	0.59
325	1.13	1.18	0.79	0.81	0.60	0.62
350	1.18	1.23	0.82	0.84	0.63	0.65
375	1.22	1.27	0.85	0.88	0.65	0.67
400	1.27	1.32	0.88	0.91	0.68	0.70
450	1.35	1.40	0.94	0.97	0.73	0.75
500	1.43	1.49	1.00	1.03	0.77	0.80
550	1.50	1.56	1.05	1.09	0.82	0.84
600	1.58	1.64	1.11	1.14	0.86	0.89
650	1.65	1.71	1.16	1.19	0.90	0.93
700	1.71	1.78	1.21	1.25	0.94	0.97
750	1.78	1.85	1.26	1.30	0.98	1.01
800	1.84	1.92	1.30	1.34	1.02	1.05
862	1.92	2.00	1.36	1.40	1.07	1.10
900	1.97	2.04	1.40	1.44	1.10	1.13
950	2.03	2.11	1.44	1.48	1.13	1.17
1000	2.08	2.17	1.49	1.53	1.17	1.20

At 68° F with +/- 1% per 10° F Variance

ATTENUATION SUMMARY (dB per 100 meters)

Frequency	Series 565		Series 840		Series 1160	
(MHz)	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum
5	0.43	0.46	0.30	0.30	0.23	0.23
30	1.08	1.12	0.72	0.75	0.52	0.56
50	1.41	1.48	0.95	0.98	0.72	0.72
108	2.10	2.16	1.41	1.48	1.08	1.12
216	2.98	3.12	2.07	2.13	1.57	1.61
240	3.18	3.31	2.20	2.26	1.67	1.71
270	3.38	3.51	2.33	2.39	1.77	1.84
300	3.58	3.71	2.46	2.53	1.90	1.94
325	3.71	3.87	2.59	2.66	1.97	2.03
350	3.87	4.03	2.69	2.76	2.07	2.13
375	4.00	4.17	2.79	2.89	2.13	2.20
400	4.17	4.33	2.89	2.98	2.23	2.30
450	4.43	4.59	3.08	3.18	2.39	2.46
500	4.69	4.89	3.28	3.38	2.53	2.62
550	4.92	5.12	3.44	3.58	2.69	2.76
600	5.18	5.38	3.64	3.74	2.82	2.92
650	5.41	5.61	3.80	3.90	2.95	3.05
700	5.61	5.84	3.97	4.10	3.08	3.18
750	5.84	6.07	4.13	4.26	3.21	3.31
800	6.04	6.30	4.26	4.40	3.35	3.44
862	6.30	6.56	4.46	4.59	3.51	3.61
900	6.46	6.69	4.59	4.72	3.61	3.71
950	6.66	6.92	4.72	4.85	3.71	3.84
1000	6.82	7.12	4.89	5.02	3.84	3.94

At 20° C with +/- 1.8% per 10° C Variance

GENERAL INFORMATION

T10 SEMIFLEX CABLE SERIES TX10

ORDERING:

To simplify and clarify our Semiflex Cable product numbering system, a description part numbering system is used. Refer to the matrix below to understand how to read and build a semiflex part number and to assist in the order process.

	PRODUCT CHARACTERISTICS								
	CABLE TYPE	SIZE	Plain (P)	Jacketed (J)	Messen-gered (MS)	Jacketed Burial (B)	Armored (A)	Special CODE *	PART NUMBER
1.	T10	500		J		B			T10 500 JB
2.	T10	750						SC	T10 750 SC
3.	TX10	565		J	MS				TX10 565 MS

*Special Codes include:
SC: Solid Copper Center Conductor
F: Flooded notation usually following JB to indicate asphalt flooding compound
VI: Visual identification, indicating color coded cable

Cable Type Size Characteristics

Example 1: To order T10 semiflex cable in the 1/2" size with a protective flooding compound, the part number would be built as shown in line 1.

Example 2: To order plain 3/4" T10 semiflex cable with a solid copper center conductor (instead of our standard copper-clad aluminum center conductor), the part number would be built as shown in line 2.
Example 3: To order TX10 cable of .565" size, messengered, the part number is as shown in line 3.

A FEW RULES TO REMEMBER

1. TX10 cable is not available in plain construction.
2. A selection for the burial (flooded) or armored features always require a jacket.
   *Note: a selection for messenger cable also requires a jacket, but the "J" notation is not required.
3. Plain cable requests do not require the insertion of a "P" notation.

COLOR CODING: To aid the visual identification of each cable, colored stripes can be added to a cable jacket.

UNJACKETED CABLE: A single color stripe is available in red, green, blue or yellow for visual identification on unjacketed aluminum cables.

JACKETED CABLE: A maximum of two colors may be used in any stripe combination. Stripe combinations may not exceed two stripes per side.

To specify the arrangement of the colors for a total of four stripes, for example, select two color choices.

COLOR CODE TABLE

Red - R Purple - P Yellow- Y White - W Green - G
Slate - S Blue - B No Stripe - N

Example 1: To order cable with a color arrangement with red and green stripes on both sides, specify RG/RG

A slash (/) in the middle of the four letters is used to distinguish between the two sides of the cable.

Example 2: To order cable with a co-extruded red stripe, one on each side, specify RN/RN.

The N is used to indicate that no color (or Black) is one of two stripes.

PACKAGING:

Times Fiber packages all T6 semiflex and TX semiflex cable on reels. Refer to chart below for nominal lengths per reel by cable size.

SERIES	NOMINAL LENGTH (FT. PER REEL)
500, 875	2350
625, 1000*	2300
750	2400
1000	2150
565, 840	2450
1160	2100

*Unjacketed only

Shipping lengths will be of published nominal lengths, +10%. No more than 10% of any shipment will be other than nominal lengths, with no lengths shorter than:

A: 1300 feet for 500, 625, and 565
B. 1500 feet for sizes 750, 875, 1000, 840, 1160

Dear Customer:

Products manufactured by Times Fiber Communications, Inc. are "articles" as defined in the subject Code of Federal Regulations. These articles do not release or otherwise result in exposure to a hazardous chemical when put to their normal intended use. As stated in Paragraph (b) (6), the Hazard Communication Standard does not apply to such articles. Hence, a Material Safety Data Sheet has not been prepared.

Please contact us for assistance should you have any questions regarding the normal use of our products.

Thank you for your continued interest in TFC products.

NUMERICAL INDEX

T10 500 SEMIFLEX SERIES, COPPER-CLAD CONDUCTOR	PART NUMBER	MI NUMBER	
Unjacketed	T10500	24500	
Unjacketed, Color Coded	T10500VI	24510	
Jacketed	T10500J	24501	
Jacketed, Color Coded	T10500JVI	24511	
Jacketed Messengered	T10500MS	24505	
Jacketed Flooded, Polyisobutylene	T10500JB	24502	
Jacketed Flooded, Polyisobutylene, Color Coded	T10500JBVI	24512	
Jacketed Flooded, Asphalt	T6500JBF	24504	
Jacketed Flooded, Asphalt, Color Coded	T10500JBFVI	24514	
Armored	T10500JBA	24503	
Armored, Color Coded	T10500JBAVI	24513	
CATV Rated (UL) Listed	T10500V	24500V	

T10 625 SEMIFLEX SERIES, COPPER-CLAD CONDUCTOR	PART NUMBER	MI NUMBER	
Unjacketed	T10625	24600	
Unjacketed, Color Coded	T10625VI	24610	
Jacketed	T10625J	24601	
Jacketed, Color Coded	T10625JVI	24611	
Jacketed Messengered	T10625MS	24605	
Jacketed Flooded, Polyisobutylene	T10625JB	24602	
Jacketed Flooded, Polyisobutylene, Color Coded	T10625JBVI	24612	
Jacketed Flooded, Asphalt	T10625JBF	24604	
Jacketed Flooded, Asphalt, Color Coded	T10625JBFVI	24614	
Armored	T10625JBA	24603	
Armored, Color Coded	T10625JBAVI	24613	
CATV Rated (UL) Listed	T10625V	24600V	

T10 750 SEMIFLEX SERIES, COPPER-CLAD CONDUCTOR	PART NUMBER	MI NUMBER	
Unjacketed	T10750	24700	
Unjacketed, Color Coded	T10750VI	24710	
Jacketed	T10750J	24701	
Jacketed, Color Coded	T10750JVI	24711	
Jacketed Flooded, Polyisobutylene	T10750JB	24702	
Jacketed Flooded, Polyisobutylene, Color Coded	T10750JBVI	24712	
Jacketed Flooded, Asphalt	T10750JBF	24704	
Jacketed Flooded, Asphalt, Color Coded	T10750JBFVI	24714	
Armored	T10750JBA	24703	
Armored, Color Coded	T10750JBAVI	24713	
CATV Rated (UL) Listed	T10750V	24700V	

T10 875 SEMIFLEX SERIES, COPPER-CLAD CONDUCTOR	PART NUMBER	MI NUMBER	
Unjacketed	T10875	24800	
Unjacketed, Color Coded	T10875VI	24810	
Jacketed	T10875J	24801	
Jacketed, Color Coded	T10875JVI	24811	
Jacketed Flooded, Polyisobutylene	T10875JB	24802	
Jacketed Flooded, Polyisobutylene, Color Coded	T10875JBVI	24812	
Jacketed Flooded, Asphalt	T10875JBF	24804	
Jacketed Flooded, Asphalt, Color Coded	T10875JBFVI	24814	
Armored	T10875JBA	24803	
Armored, Color Coded	T10875JBAVI	24813	
CATV Rated (UL) Listed	T10875V	24800V	

T10 1000 SEMIFLEX SERIES, COPPER-CLAD CONDUCTOR	PART NUMBER	MI NUMBER	
Unjacketed	T101000	24900	
Unjacketed, Color Coded	T101000VI	24910	
Jacketed	T101000J	24901	
Jacketed, Color Coded	T101000JVI	24911	
Jacketed Flooded, Polyisobutylene	T101000JB	24902	
Jacketed Flooded, Polyisobutylene, Color Coded	T101000JBVI	24912	
Jacketed Flooded, Asphalt	T101000JBF	24904	
Jacketed Flooded, Asphalt, Color Coded	T101000JBFVI	24914	
Armored	T101000JBA	24903	
Armored, Color Coded	T101000JBAVI	24913	
CATV Rated (UL) Listed	T101000V	24900V	

TX SEMIFLEX SERIES

TX10 565 SEMIFLEX SERIES	PART NUMBER	MI NUMBER	
Jacketed	TX10565J	25501	
Jacketed, Color Coded	TX10565JVI	25511	
Jacketed Messengered	TX10565MS	25505	
Jacketed Flooded, Polyisobutylene	TX10565JB	25502	
Jacketed Flooded, Polyisobutylene, Color Coded	TX10565JBVI	25512	
Jacketed Flooded, Asphalt	TX10565JBF	25504	
Jacketed Flooded, Asphalt, Color Coded	TX10565JBFVI	25514	
Armored	TX10565JBA	25503	
Armored, Color Coded	TX10565JBAVI	25513	

TX10 840 SEMIFLEX SERIES	PART NUMBER	MI NUMBER	
Jacketed	TX10840J	25801	
Jacketed, Color Coded	TX10840JVI	25811	
Jacketed Flooded, Polyisobutylene	TX10840JB	25802	
Jacketed Flooded, Polyisobutylene, Color Coded	TX10840JBVI	25812	
Jacketed Flooded, Asphalt	TX10840JBF	25804	
Jacketed Flooded, Asphalt, Color Coded	TX10840JBFVI	25814	
Armored	TX10840JBA	25803	
Armored, Color Coded	TX10840JBAVI	25813	

TX10 1160 SEMIFLEX SERIES	PART NUMBER	MI NUMBER	
Jacketed	TX101160J	25901	
Jacketed, Color Coded	TX101160JVI	25911	
Jacketed Flooded, Polyisobutylene	TX101160JB	25902	
Jacketed Flooded, Polyisobutylene, Color Coded	TX101160JBVI	25912	
Jacketed Flooded, Asphalt	TX101160JBF	25904	
Jacketed Flooded, Asphalt, Color Coded	TX101160JBFVI	25914	
Armored	TX101160JBA	25903	
Armored, Color Coded	TX101160JBAVI	25913	

TFC

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